

ABSTRACT

In the case that raceway grooves of a guide rail and a slider are formed by rolling, supposing that D_g is the depth of each of the raceway grooves formed by the rolling, and D_w is a diameter of the rolling element, a ball diameter ratio (D_g/D_w), which is a value obtained by dividing the groove depth D_g by a diameter D_w of the rolling element, is set to range from 0.26 to 0.45.